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1031

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/881,490

DATE: 10/18/2001

TIME: 09:33:23

Input Set : N:\Crf3\RULE60\09881490.txt

Output Set: N:\CRF3\10182001\I881490.raw

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Little II, Roger G.

Lim, Edward

Fadem, Mitchell B.

(ii) TITLE OF INVENTION: Anti-Fungal Peptides

(iii) NUMBER OF SEQUENCES: 211

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: McAndrews, Held & Malloy, Ltd.

(B) STREET: 500 West Madison Street, 34th FloorDrive

(C) CITY: Chicago

(D) STATE: Illinois

(E) COUNTRY: United States of America

(F) ZIP: 60661

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:

C--> (A) APPLICATION NUMBER: US/09/881,490

C--> (B) FILING DATE: 14-Jun-2001

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 09/119,858

(B) FILING DATE:

(A) APPLICATION NUMBER: 08/372,105

(B) FILING DATE: 13-JAN-95

(A) APPLICATION NUMBER: 08/306,473

(B) FILING DATE: 15-SEP-94

(A) APPLICATION NUMBER: 08/273,540

(B) FILING DATE: 11-JUL-94

(A) APPLICATION NUMBER: 08/209,762

(B) FILING DATE: 11-MAR-94

(A) APPLICATION NUMBER: 08/183,222

(B) FILING DATE: 14-JAN-94

(A) APPLICATION NUMBER: 08/093,202

(B) FILING DATE: 15-JUL-93

(A) APPLICATION NUMBER: 08/030,644

(B) FILING DATE: 12-MAR-93

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: McNicholas, Janet M.

(B) REGISTRATION NUMBER: 32,918

(C) REFERENCE/DOCKET NUMBER: 100-238/11021US01

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 312/707-8889

(B) TELEFAX: 312/707-9155

(C) TELEX: 650 388-1248

ENTERED

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73 (2) INFORMATION FOR SEQ ID NO: 1:
75   (i) SEQUENCE CHARACTERISTICS:
76       (A) LENGTH: 22 amino acids
77       (B) TYPE: amino acid
78       (D) TOPOLOGY: linear
80   (ii) MOLECULE TYPE: peptide
82   (ix) FEATURE:
83       (A) NAME/KEY: misc_feature
84       (D) OTHER INFORMATION: "XMP.5"
86   (ix) FEATURE:
87       (A) NAME/KEY: Modified-site
88       (B) LOCATION: C-Terminus
89       (D) OTHER INFORMATION: /label= Amidation
90 /note= "The C-Terminus is Amidated"
92   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
94     Val His Val His Ile Ser Lys Ser Lys Val Gly Trp Leu Ile Gln Leu
95     1          5          10          15
97     Phe His Lys Lys Ile Glu
98         20
100 (2) INFORMATION FOR SEQ ID NO: 2:
102   (i) SEQUENCE CHARACTERISTICS:
103       (A) LENGTH: 13 amino acids
104       (B) TYPE: amino acid
105       (D) TOPOLOGY: linear
107   (ii) MOLECULE TYPE: peptide
109   (ix) FEATURE:
110       (A) NAME/KEY: misc_feature
111       (D) OTHER INFORMATION: "XMP.11"
113   (ix) FEATURE:
114       (A) NAME/KEY: Modified-site
115       (B) LOCATION: C-Terminus
116       (D) OTHER INFORMATION: /label= Amidation
117 /note= "The C-Terminus is Amidated"
119   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
121     Lys Ser Lys Val Trp Leu Ile Gln Leu Phe His Lys Lys
122     1          5          10
124 (2) INFORMATION FOR SEQ ID NO: 3:
126   (i) SEQUENCE CHARACTERISTICS:
127       (A) LENGTH: 29 amino acids
128       (B) TYPE: amino acid
129       (D) TOPOLOGY: linear
131   (ii) MOLECULE TYPE: peptide
133   (ix) FEATURE:
134       (A) NAME/KEY: misc_feature
135       (D) OTHER INFORMATION: "XMP.12"
137   (ix) FEATURE:
138       (A) NAME/KEY: Modified-site
139       (B) LOCATION: C-Terminus
140       (D) OTHER INFORMATION: /label= Amidation

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141 /note= "The C-Terminus is Amidated"
143   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
145     Ser Val His Val His Ile Ser Lys Ser Lys Val Gly Trp Leu Ile Gln
146     1             5             10             15
148     Leu Phe His Lys Lys Ile Glu Ser Ala Leu Arg Asn Lys
149           20             25
151 (2) INFORMATION FOR SEQ ID NO: 4:
153   (i) SEQUENCE CHARACTERISTICS:
154     (A) LENGTH: 14 amino acids
155     (B) TYPE: amino acid
156     (D) TOPOLOGY: linear
158   (ii) MOLECULE TYPE: peptide
160   (ix) FEATURE:
161     (A) NAME/KEY: misc_feature
162     (D) OTHER INFORMATION: "XMP.13"
164   (ix) FEATURE:
165     (A) NAME/KEY: Modified-site
166     (B) LOCATION: C-Terminus
167     (D) OTHER INFORMATION: /label= Amidation
168 /note= "The C-Terminus is Amidated"
170   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
172     Lys Ser Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys
173     1             5             10
175 (2) INFORMATION FOR SEQ ID NO: 5:
177   (i) SEQUENCE CHARACTERISTICS:
178     (A) LENGTH: 28 amino acids
179     (B) TYPE: amino acid
180     (D) TOPOLOGY: linear
182   (ii) MOLECULE TYPE: peptide
184   (ix) FEATURE:
185     (A) NAME/KEY: misc_feature
186     (D) OTHER INFORMATION: "XMP.29"
188   (ix) FEATURE:
189     (A) NAME/KEY: Modified-site
190     (B) LOCATION: C-Terminus
191     (D) OTHER INFORMATION: /label= Amidation
192 /note= "The C-Terminus is Amidated"
195   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
197     Lys Ser Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys Lys Ser
198     1             5             10             15
200     Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys
201           20             25
203 (2) INFORMATION FOR SEQ ID NO: 6:
205   (i) SEQUENCE CHARACTERISTICS:
206     (A) LENGTH: 14 amino acids
207     (B) TYPE: amino acid
208     (D) TOPOLOGY: linear
210   (ii) MOLECULE TYPE: peptide
212   (ix) FEATURE:

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213      (A) NAME/KEY: misc_feature
214      (D) OTHER INFORMATION: "XMP.31"
216      (ix) FEATURE:
217          (A) NAME/KEY: Modified-site
218          (B) LOCATION: C-Terminus
219          (D) OTHER INFORMATION: /label= Amidation
220 /note= "The C-Terminus is Amidated"
222      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
224          Ala Ser Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys
225              1          5          10
227 (2) INFORMATION FOR SEQ ID NO: 7:
229      (i) SEQUENCE CHARACTERISTICS:
230          (A) LENGTH: 14 amino acids
231          (B) TYPE: amino acid
232          (D) TOPOLOGY: linear
234      (ii) MOLECULE TYPE: peptide
236      (ix) FEATURE:
237          (A) NAME/KEY: misc_feature
238          (D) OTHER INFORMATION: "XMP.32"
240      (ix) FEATURE:
241          (A) NAME/KEY: Modified-site
242          (B) LOCATION: C-Terminus
243          (D) OTHER INFORMATION: /label= Amidation
244 /note= "The C-Terminus is Amidated"
246      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
248          Lys Ala Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys
249              1          5          10
251 (2) INFORMATION FOR SEQ ID NO: 8:
253      (i) SEQUENCE CHARACTERISTICS:
254          (A) LENGTH: 14 amino acids
255          (B) TYPE: amino acid
256          (D) TOPOLOGY: linear
258      (ii) MOLECULE TYPE: peptide
260      (ix) FEATURE:
261          (A) NAME/KEY: misc_feature
262          (D) OTHER INFORMATION: "XMP.33"
264      (ix) FEATURE:
265          (A) NAME/KEY: Modified-site
266          (B) LOCATION: C-Terminus
267          (D) OTHER INFORMATION: /label= Amidation
268 /note= "The C-Terminus is Amidated"
270      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
272          Lys Ser Ala Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys
273              1          5          10
275 (2) INFORMATION FOR SEQ ID NO: 9:
277      (i) SEQUENCE CHARACTERISTICS:
278          (A) LENGTH: 14 amino acids
279          (B) TYPE: amino acid
280          (D) TOPOLOGY: linear

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282      (ii) MOLECULE TYPE: peptide
284      (ix) FEATURE:
285          (A) NAME/KEY: misc_feature
286          (D) OTHER INFORMATION: "XMP.34"
288      (ix) FEATURE:
289          (A) NAME/KEY: Modified-site
290          (B) LOCATION: C-Terminus
291          (D) OTHER INFORMATION: /label= Amidation
292 /note= "The C-Terminus is Amidated"
294      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
296      Lys Ser Lys Ala Gly Trp Leu Ile Gln Leu Phe His Lys Lys
297      1             5             10
299 (2) INFORMATION FOR SEQ ID NO: 10:
301      (i) SEQUENCE CHARACTERISTICS:
302          (A) LENGTH: 14 amino acids
303          (B) TYPE: amino acid
304          (D) TOPOLOGY: linear
306      (ii) MOLECULE TYPE: peptide
308      (ix) FEATURE:
309          (A) NAME/KEY: misc_feature
310          (D) OTHER INFORMATION: "XMP.35"
312      (ix) FEATURE:
313          (A) NAME/KEY: Modified-site
314          (B) LOCATION: C-Terminus
315          (D) OTHER INFORMATION: /label= Amidation
316 /note= "The C-Terminus is Amidated"
318      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
320      Lys Ser Lys Val Ala Trp Leu Ile Gln Leu Phe His Lys Lys
321      1             5             10
323 (2) INFORMATION FOR SEQ ID NO: 11:
325      (i) SEQUENCE CHARACTERISTICS:
326          (A) LENGTH: 14 amino acids
327          (B) TYPE: amino acid
328          (D) TOPOLOGY: linear
330      (ii) MOLECULE TYPE: peptide
332      (ix) FEATURE:
333          (A) NAME/KEY: misc_feature
334          (D) OTHER INFORMATION: "XMP.36"
336      (ix) FEATURE:
337          (A) NAME/KEY: Modified-site
338          (B) LOCATION: C-Terminus
339          (D) OTHER INFORMATION: /label= Amidation
340 /note= "The C-Terminus is Amidated"
342      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
344      Lys Ser Lys Val Gly Ala Leu Ile Gln Leu Phe His Lys Lys
345      1             5             10
347 (2) INFORMATION FOR SEQ ID NO: 12:
349      (i) SEQUENCE CHARACTERISTICS:
350          (A) LENGTH: 14 amino acids

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VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/881,490

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TIME: 09:33:24

Input Set : N:\Crf3\RULE60\09881490.txt  
Output Set: N:\CRF3\10182001\I881490.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:999 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1029 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1059 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1113 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1143 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1222 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1276 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1306 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1336 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1366 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1396 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1427 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1457 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1607 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1637 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1668 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1674 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1704 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1710 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1788 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1818 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1848 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1854 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1884 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1890 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1920 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1950 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1980 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
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L:2022 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2052 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2082 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2112 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2118 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
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L:2154 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2184 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2214 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2220 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2250 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2256 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2286 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2316 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2322 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2352 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]

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PATENT APPLICATION: US/09/881,490

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Input Set : N:\Crf3\RULE60\09881490.txt

Output Set: N:\CRF3\10182001\I881490.raw

L:2382 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2436 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95  
L:2729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96  
L:4563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169  
L:4593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170  
L:5447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200  
L:5483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201  
L:5513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202  
L:5549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203